

A1.
and a refrigerant line operatively connecting the compressor, the in-water heat exchanger and the interior heat exchanger in a closed-loop configuration, and at least one auxiliary refrigerant pump operatively connected to the refrigerant line and operative to pump refrigerant fluid during a system closed-loop cycle.

19. The system of claim 18, the system having both a heating closed-loop cycle and a cooling closed-loop cycle, the system having at least one first auxiliary refrigerant pump and at least one second auxiliary refrigerant pump, the at least one first auxiliary refrigerant pump operative to pump refrigerant fluid during the heating closed-loop cycle and the at least one second auxiliary refrigerant pump operative to pump refrigerant fluid during the cooling closed-loop cycle.

20. The system of either claim 18 or claim 19 wherein the auxiliary refrigerant pumps are adapted to offset system pressure differentials associated with refrigerant system head pressure and system pressure losses associated with the refrigerant line.

CLEAN VERSION OF REPLACEMENT PARAGRAPH AND CLAIM

Please amend claim 13 as follows:

13. A method of reducing the effects of pressure differentials and refrigerant line resistance factor losses in a closed loop, direct expansion refrigerant heat exchange system having a refrigerant fluid transport line comprising the step of adding an auxiliary refrigerant pump to the refrigerant fluid transport line.